

Water-Data Report 2009

07091200 ARKANSAS RIVER NEAR NATHROP, CO

Upper Arkansas Basin
Arkansas Headwaters Subbasin

LOCATION.--Lat 38°39'08", long 106°03'02" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.23, T.51 N., R.8 E., Chaffee County, CO, Hydrologic Unit 11020001, on right bank 300 ft upstream from end of Chaffee County Road 194 in Browns Canyon, 3.7 mi downstream from Browns Creek, 6.7 mi south of Nathrop, and 9 mi north of Salida.

DRAINAGE AREA.--1,060 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1964 to September 1982. April 1989 to September 1993. October 1993 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,350 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, groundwater withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (occurred during period of seasonal record), 5,540 ft³/s, July 14, 1995, gage height, 8.63 ft, from rating curve extended above 5,500 ft³/s; maximum gage height, 8.94 ft, Aug. 31, 1972 (backwater from unnamed tributary); minimum daily, 95 ft³/s, Feb. 25-27, 1977.

EXTREMES FOR CURRENT YEAR.--(seasonal only) Maximum discharge, 3,280 ft³/s, June 28, gage height, 7.19 ft; minimum daily, 217 ft³/s, Apr. 13.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	374	609	2,180	2,360	755	257
2	---	---	---	---	---	---	340	640	2,220	2,240	726	250
3	---	---	---	---	---	---	275	635	2,210	2,230	735	251
4	---	---	---	---	---	---	267	707	2,070	2,230	725	252
5	---	---	---	---	---	---	258	698	1,900	2,190	741	252
6	---	---	---	---	---	---	254	652	1,910	2,120	771	249
7	---	---	---	---	---	---	243	698	1,870	1,960	785	252
8	---	---	---	---	---	---	248	884	1,640	1,840	760	251
9	---	---	---	---	---	---	231	1,020	1,440	1,800	747	247
10	---	---	---	---	---	---	226	1,030	1,390	1,660	753	248
11	---	---	---	---	---	---	229	1,130	1,380	1,430	750	246
12	---	---	---	---	---	---	227	1,450	1,480	1,330	759	248
13	---	---	---	---	---	---	217	1,710	1,580	1,300	790	274
14	---	---	---	---	---	---	227	1,880	1,590	1,230	780	282
15	---	---	---	---	---	---	228	1,890	1,670	1,090	724	306
16	---	---	---	---	---	---	261	1,920	1,730	973	640	355
17	---	---	---	---	---	---	264	2,060	1,770	901	556	395
18	---	---	---	---	---	---	246	2,320	1,880	813	465	347
19	---	---	---	---	---	---	242	2,620	2,110	795	433	330
20	---	---	---	---	---	---	244	2,660	2,310	784	431	324
21	---	---	---	---	---	---	256	2,700	2,460	778	330	352
22	---	---	---	---	---	---	298	2,670	2,480	759	314	363
23	---	---	---	---	---	---	337	2,450	2,430	737	303	335
24	---	---	---	---	---	---	391	2,280	2,270	714	303	313
25	---	---	---	---	---	---	415	2,000	2,320	721	324	311
26	---	---	---	---	---	---	422	1,800	2,890	788	347	307
27	---	---	---	---	---	---	504	1,680	3,170	851	311	294
28	---	---	---	---	---	---	461	1,630	3,160	766	278	292
29	---	---	---	---	---	---	483	1,620	3,040	708	268	287
30	---	---	---	---	---	---	521	1,690	2,700	740	263	281
31	---	---	---	---	---	---	---	1,870	---	738	263	---
Total	---	---	---	---	---	---	9,189	49,603	63,250	39,576	17,130	8,751
Mean	---	---	---	---	---	---	306	1,600	2,108	1,277	553	292
Max	---	---	---	---	---	---	521	2,700	3,170	2,360	790	395
Min	---	---	---	---	---	---	217	609	1,380	708	263	246
Ac-ft	---	---	---	---	---	---	18,230	98,390	125,500	78,500	33,980	17,360

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